

RS Autonomous Synchronization

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Purpose:

Propose the text regarding RS Autonomous Synchronization.

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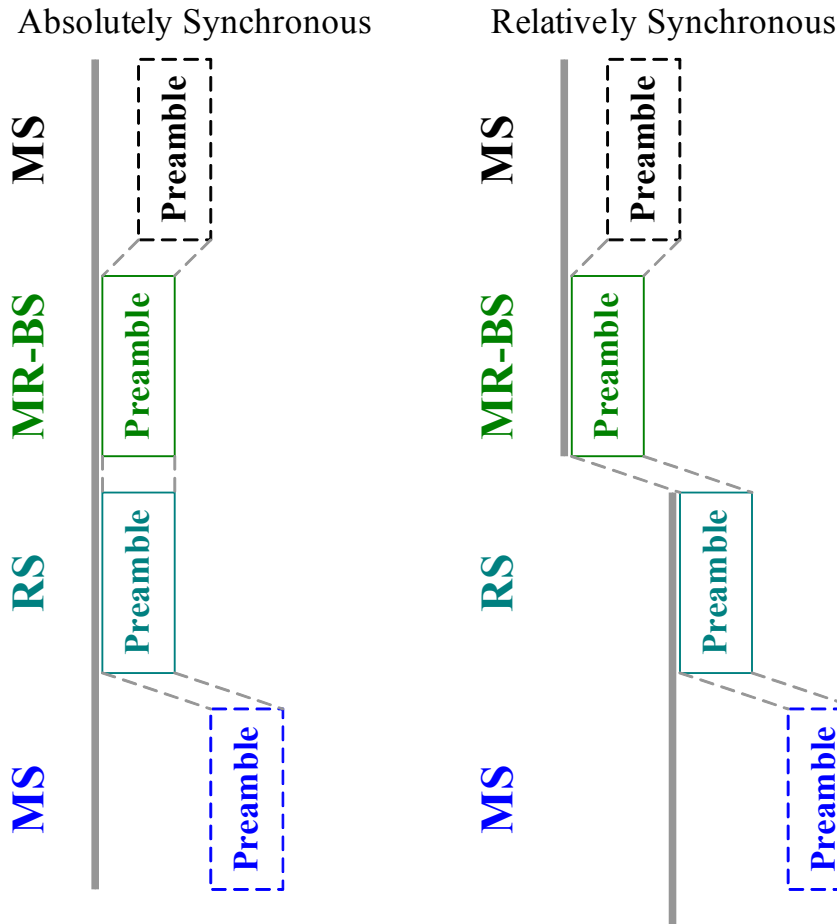
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Introduction

- In MR network systems, MR-BS and RSs should transmit preamble synchronously

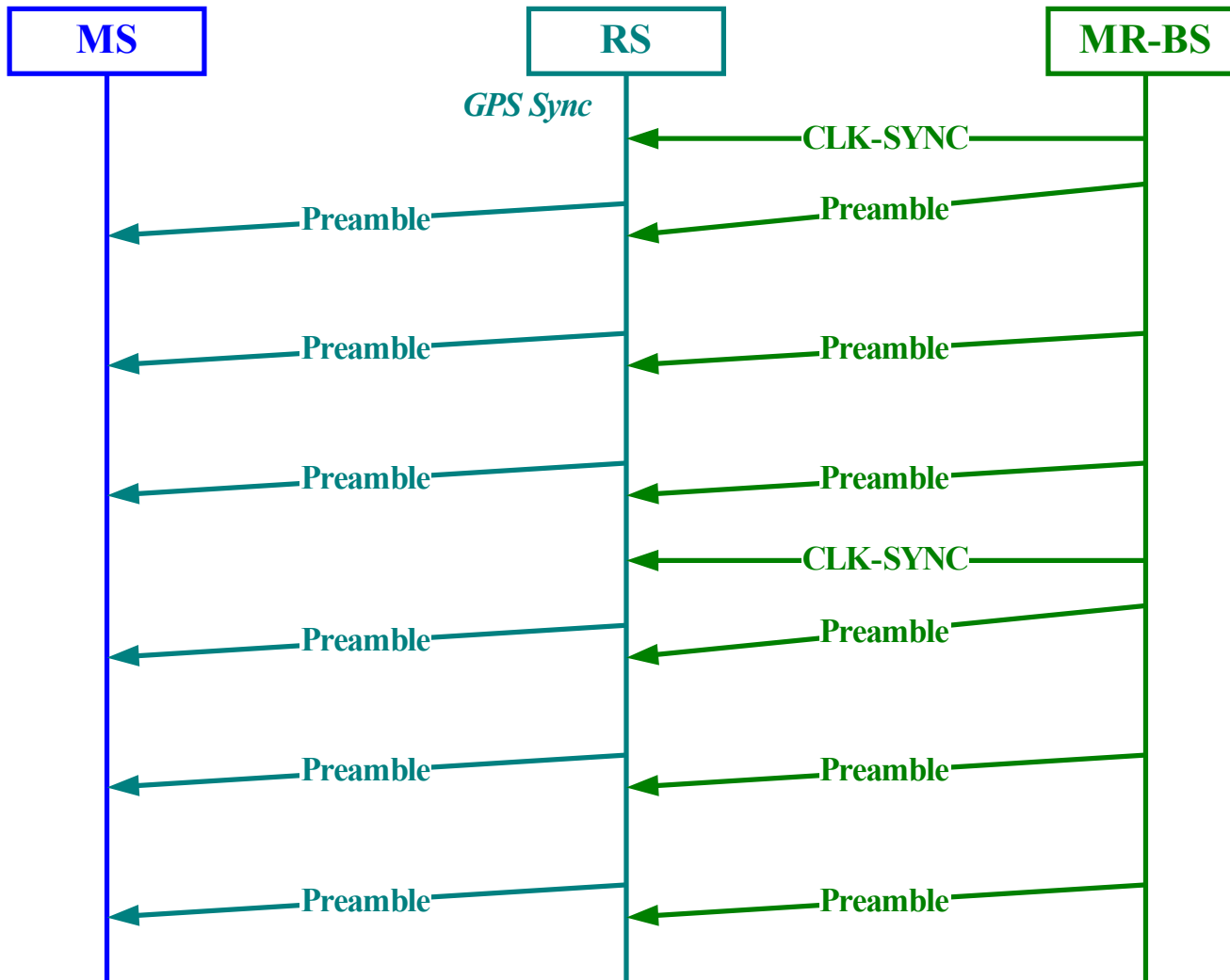


MR System Time Synchronization

- To synchronize with access station (AS), a AS should broadcast CLK-SYNC to synchronize frame-start preamble transmissions among MR-BS and RSs
- The feature is optional

| <u>Syntax</u> | <u>Size</u> | <u>Notes</u> |
|-------------------------------------|----------------|---|
| <u>CLK-SYNC message_format () {</u> | = | = |
| <u>Management Message Type = xx</u> | <u>8 bits</u> | = |
| <u>Frame Sequence Number</u> | <u>8 bits</u> | <u>8-LSB Frame Sequence Number</u> |
| <u>Fraction GPS time</u> | <u>24 bits</u> | <u>Fraction GPS time for frame-start DL preamble of current frame, where fraction GPS time defined as the GPS time minus the integer GPS time in second (unit 1 micro second)</u> |
| <u>}</u> | = | = |

Flow Chart



Summary

- Propose CLK-SYNC message to perform RS autonomous synchronization, which is optional for MR-BS and RSs